

MACROMOLECULAR MATERIAL ABSORBING SHORT-WAVE LIGHT

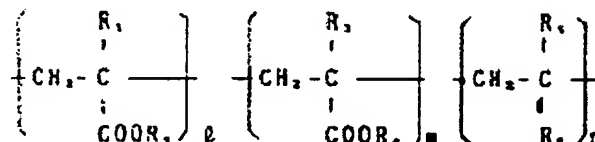
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Abstract of JP1207310

PURPOSE: To obtain the title material absorbing excimer laser beam capable of etching with a short time exposure and having resistances to etching, consisting of methacrylate, fluoromonomer and a specific aromatic monomer.

CONSTITUTION: The aimed material expressed by the formula (R₁, R₃ and R₅ are H, methyl and ethyl, respectively; R₂ is 1-5C alkyl; R₄ is fluoroalkyl at least one H is substituted with F within 1-8C alkyl) R₆ is a group containing aromatic chain such as naphthalene ring, anthracene ring; l, m and n >= 1, respectively and 30 <= (l+m)/n <= 200). The material is preferably obtained by copolymerization with plasma polymerization method of the three; methacrylate such as methyl methacrylate, fluoro-monomer such as trifluoroethyl acrylate and a monomer such as vinyl naphthalene which has a group containing aromatic chain, simultaneously.



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